

METHOD AND APPARATUS FOR CONTROLLING
A RAILWAY CONSIST

ABSTRACT

[0026] An apparatus for controlling a railway consist, the apparatus comprising: a consist model adapted for computing an objective function from a set of candidate driving plans and a set of model parameters; a parameter identifier adapted for calculating the model parameters from a set of consist measurements; and a trajectory optimizer adapted for generating the candidate driving plans and for selecting an optimal driving plan to optimize the objective function subject to a set of terminal constraints and operating constraints.